

ABSTRACT

PROSPECTIVE STUDY ON EFFICACY OF SUTURELESS GLUELESS CONJUNCTIVAL AUTOGRAFT IN PTERYGIUM SURGERY

INTRODUCTION

There are a numerous methods tackling pterygium surgery. The efficacy of a procedure is based on absent complication, better cosmetic, low recurrence and cost benefit.

OBJECTIVE

To study the efficacy of suture less glue less conjunctival autograft fixation in the management of pterygium over a period of 6 to 9 months based on the complication of surgery.

MATERIALS AND METHODS

A prospective study was carried out on 40 selected pterygium patients who attended the ophthalmology OPD at government Rajaji hospital Madurai. All the patients fulfilled the inclusion and exclusion criteria designed for the study. Pterygium excision was done and conjunctival autograft fixation done sutureless glueless followed by bandaging for 24 hours. All the patients were followed on day 1, 1week, 1 month and 6 to 9 months. They were analysed for immediate postoperative comfort. All were subjected to biomicroscopic examination for graft dehiscence, retraction, oedema, haemorrhage and recurrence. Also all were compared with preoperative and postoperative astigmatism.

RESULTS

50% of the studied population were in the age group 46 to 55 years. Of which 40% were male. Of the total population 47.5% had ocular discomfort. 55% had complaints of visual disturbance. 12.5% had both the above complaints. Preoperatively 57.5% had astigmatism 27.5% had pre existing astigmatism. Postoperatively on day 1 only 20% had pain, which became nil on 7th day. 57.5% of preoperative astigmatism got reversed on 6th month. The mid p value 0.0418584219 was for comparison of astigmatism. The study was statistically significant.

KEY WORDS

Pterygium, Conjunctival Autograft, Glueless, Sutureless, Surgery